

<b>UTILITY APPLICATION</b>	Attorney Docket No.: <b>EMAG.001A</b> First Named Inventor: <b>Yehoshua Josh Shachar</b> Title: <b>METHOD AND APPARATUS FOR PIEZOELECTRIC LAYER-WISE PUMP AND VALVE FOR USE IN LOCAL ADMINISTRATION OF BIOLOGICAL RESPONSE MODIFIERS AND THERAPEUTIC AGENTS</b> Express Mail Label No.: <b>EV 320129702 US</b>
	Date: July 3, 2003 Page 1 of 2
<b>Direct all correspondence to Customer No.: 20995</b>	



**Mail Stop Patent Application**  
 United States Patent and Trademark Office  
 PO Box 1450  
 Alexandria, VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

- Inventor:
- |                          |    |
|--------------------------|----|
| 1. Yehoshua Josh Shachar | 2. |
| 3.                       | 4. |

**APPLICATION ELEMENTS:**

- (X) Specification in 33 pages.  
 (X) Drawings in 15 sheets.

**CONTINUITY INFORMATION:**

Application	Relationship	Parent App. No.	Filing Date	Status
This Application	Non-Provisional of	60/393,933	07/03/02	Pending

**OTHER APPLICATION PARTS:**

- (X) Return prepaid postcard.

<b>UTILITY APPLICATION</b>	Attorney Docket No.: EMAG.001A
	First Named Inventor: Yehoshua Josh Shachar
	Title: <b>METHOD AND APPARATUS FOR PIEZOELECTRIC LAYER-WISE PUMP AND VALVE FOR USE IN LOCAL ADMINISTRATION OF BIOLOGICAL RESPONSE MODIFIERS AND THERAPEUTIC AGENTS</b>
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**FILING FEES:**

FEE CALCULATION				
FEE TYPE		FEE CODE	CALCULATION	TOTAL
Basic Utility		1001 (\$750)		\$750
Non-English Spec.		1053 (\$130)		\$0
Recordation Fee		8021 (\$40)	x 40 =	\$0
Excess Claims > 20	64 - 20 = 44	1202 (\$18)	44 x 18 =	\$792
Independent > 3	1 - 3 = 0	1201 (\$84)	0 x 84 =	\$0
Multiple Claim		1203 (\$280)		\$0
			<b>TOTAL FEE DUE</b>	<b>\$1542</b>

(X) The total fees calculated above will be paid at a later date.

*Lee W. Henderson*  
 Lee W. Henderson Ph.D.  
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MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**Attorney Docket No.** : EMAG.001A

**Applicant** : Yehoshua Josh Shachar

**For** : METHOD AND APPARATUS FOR  
PIEZOELECTRIC LAYER-WISE PUMP AND  
VALVE FOR USE IN LOCAL  
ADMINISTRATION OF BIOLOGICAL  
RESPONSE MODIFIERS AND  
THERAPEUTIC AGENTS

**Attorney** : Lee W. Henderson Ph.D.

**"Express Mail"**  
**Mailing Label No.** : EV 320129702 US

**Date of Deposit** : July 3, 2003

I hereby certify that the accompanying

Transmittal letter; specification in 33 pages; 15 sheets of drawings; Return  
Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Lee W. Henderson Ph.D.